



EVENT REPORT

Energy Swaraj: Essence of Sustainability

18th April 2021

G H Patel College of Engineering and Technology



INTRODUCTION

IEEE IAS-PES Joint Chapter GCET Student Branch organized a webinar for the celebration of **IEEE PES DAY 2021** on the topic Energy Swaraj: Essence of Sustainability. The webinar was open to the public globally and in total 265 people registered for this webinar and there were 100+ attendees. The keynote speaker of this event was **Dr. Chetan Singh Solanki**, founder of **Energy Swaraj Foundation**.

Dr Chetan Singh Solanki shared his views about the need for **sustainable development** in today's world and how we all can achieve it.

REC S Solar Is Life Solar Is Life is presenting Atharva Joshi and 88 more 101 10:43 AM You

POVERTY
SDG 1
SDG 2 END HUNGER
SDG 3 HEALTHY LIVES
SDG 4 EDUCATION
SDG 5 GENDER
SDG 6 WATER and SANITATION
SDG 8 ECONOMIC GROWTH
SDG 9 INFRASTRUCTURE and INDUSTRIALIZATION
SDG 10 REDUCE INEQUALITY
SDG 11 INCLUSIVE and RESILIENT CITIES
SDG 12 SUSTAINABLE CONSUMPTION and PRODUCTION
SDG 13 CLIMATE CHANGE
SDG 14 OCEANS, SEAS, and MARINE RESOURCES
SDG 15 TERRESTRIAL ECOSYSTEMS
SDG 16 PEACE
SDG 17 GLOBAL PARTNERSHIPS

ENERGY
SDG 7

Energy is Everything

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ABOUT THE SPEAKER



Dr Chetan Singh Solanki, besides being a Professor at the **Department of Energy Science and Engineering, IIT Bombay** is also an educator, innovator, educator, researcher, entrepreneur, author, and philosopher, known for his remarkable work in the **solar sector**. He is currently leading two projects of national importance on the **dissemination of affordable solar technology**. Prof. Solanki is one of the Principal Investigators at the National Centre for Photovoltaic Research and Education.

He is also the Principal Investigator in the **Solar Urja through Localisation for Sustainability (SoULS)** project at IIT Bombay, which aims to provide solar study lamp to every child in rural India as part of its '**Right to Light**' mission. He also started kWatt Solutions Pvt. Ltd. which is a technology-driven company focusing on energy optimisation and technology customisation. He founded ROSE, an organisation for supporting education in rural India during his doctoral study in Belgium.

ABOUT THE EVENT

The event focused on how **sustainable goals** can be achieved by using clean energy and also emphasised the **Fundamental laws of sustainability**.

Due to high global fossil fuel consumption, there is an increase of **80-85%** of global carbon emission. The speaker also highlighted how carbon emission has adverse effects on the environment and also shared with us the motive behind starting the **Energy Swaraj movement**. Through his research, he mentioned that global warming is increasing drastically to such an extent that there would **1.5 degree Celsius** increase in temperature after 7 years, to limit this we should use the **consumption of carbon**. He told us about Energy Swaraj and how it started in 2020 and will go on till 2030. He is travelling to all parts of the country to spread awareness about the Energy Swaraj movement and how the use of **Clean Energy** will help humankind.

Towards the ending of the session, he mentioned that *the youths are the ones who will bring change, so to start a change it should be first inculcated in youths.*

